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(54) CONTROL METHOD FOR HALF-TONE DOT SHAPE FOR GROWING DOT

(57)Abstract:

PURPOSE: To disclose the method of controlling the shape of a half tone dot while the dot is being grown.

CONSTITUTION: X, Y coordinates with respect to a screen cell are decided. The shape of 50% anamorphic or symmetrically square dots is rotated to be arranged with x, y vectors of screen cells. The Descartes X, Y coordinate system is transformed into a nonlinear polar coordinate system to change the shape of dots as dots are grown from 0% to 100%. The shape of dots is circular close to the origin, gradually square at 50% and restored gradually to be circular at 100%. The elliptic shape of dots is obtained by adopting other method using inverse rotation or re-transformation to the Descartes coordinate system.

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